MASTER OF SCIENCE
IN
SPACE SYSTEMS OPERATIONS

THE EXPLOITATION OF OVERHEAD SURVEILLANCE AND
RECONNAISSANCE IN SUPPORT OF NAVAL SPECIAL WARFARE

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Naval Special Warfare (NSW) operations have historically received a poor level of intelligence support. The importance of timely and comprehensive intelligence is paramount to these operations' tactical and strategic success. This lack of support stems from a lack of understanding by the Intelligence Community of the Essential Elements of Information that are requested by NSW and from a lack of knowledge by the NSW operators about existing systems and their capabilities and limitations. This report focuses on the Intelligence disciplines of Imagery Intelligence (IMINT) and Signals Intelligence (SIGINT). The presentation of this report focuses on educating both the user and the provider to the unique applications of these disciplines that will refine this *essential combat resource* into an effective and integral part of NSW operations. This report contains real world examples of existing and emerging systems.

The conclusions of this report address the necessity for early training of the junior officer corps of the NSW community. These are the operational leaders that will be directly effected by proper exploitation of this combat resource. This resource must also be the focus of NSW senior leadership in order for them to effectively support *forwardly deployed strategic warfighters.*

DoD KEY TECHNOLOGY AREAS: Sensors, Other (Intelligence)

KEYWORDS: Signals Intelligence, Imagery Intelligence, Requirements Process, Naval Special Warfare

INTEGRATING DIGITAL SIGNAL COLLECTION AND PROCESSING INTO THE
EP-3E AND P-3C NAVAL AIR RECONNAISSANCE PLATFORMS (U)

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Abstract is Classified

DoD KEY TECHNOLOGY AREAS: Air Vehicles, Space Vehicles, Battlespace Environments, Command, Control and

MASTER OF SCIENCE IN SPACE SYSTEMS OPERATIONS

Communications, Computing and Software, Electronics, Electronic Warfare, Human System Interface, Manpower, Personnel, and Training, Sensors, Manufacturing Science and Technology, Modeling and Simulation

KEYWORDS: MARTES, PAT, EP-3E, P-3C, SIGINT, COMINT, ELINT, Digital